

# Converting Colors

$Y_{xy}(46.3673, 0.4662, 0.4206)$

Have a look what the booklet for  
Yxy(46.3673, 0.4662, 0.4206)  
contains.

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# Color

**Yxy(46.2686, 0.4658, 0.4203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2A549
RGB	242, 165, 73
RGB Percent	95%, 65%, 29%
CMY	0.0510, 0.3529, 0.7136
CMYK	0.00, 0.32, 0.70, 0.05
HSL	33°, 87%, 62%
HSV	33°, 70%, 95%
XYZ	51.2775, 46.2686, 12.5386
YIQ	177.5350, 75.4240, -12.2880

# Conversions

## Conversions Part 2

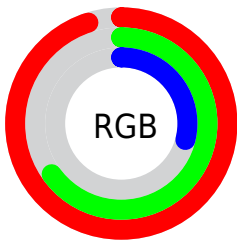
Format	Color
R <sub>Y</sub> B	214, 242, 73
Decimal	15902025
CIE Lab	73.72, 20.31, 57.39
CIE LCh	74, 60.875, 70.507
Yxy	46.2686, 0.4658, 0.4203
Android (android.graphics.Color)	4294092105 (0xFFFF2A549)
YUV	177.5350, -51.5358, 56.5358
Hunter-Lab	68.0210, 15.5249, 36.6855

# Details

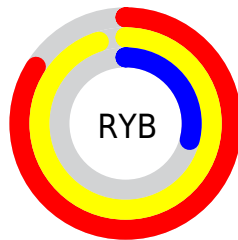
The Yxy color **46.2686, 0.4658, 0.4203** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **29.6552, 0.2013, 0.2010**, and the grayscale version is **44.5133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9528, 0.4038, 0.4230**, and **21.6714, 0.5003, 0.4327** is the 20% darker color. If you saturate the color by 10%, you get **42.2011, 0.4902, 0.4246**, and if you desaturate by 10%, it is **50.8087, 0.4400, 0.4116**.

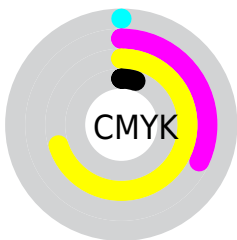
# Distribution



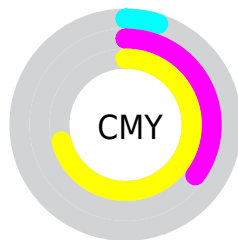
- Red (95%)
- Green (65%)
- Blue (29%)



- Red (84%)
- Yellow (95%)
- Blue (29%)



- Cyan (0%)
- Magenta (32%)
- Yellow (70%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2686, 0.4658, 0.4203 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.2686, 0.4658, 0.4203 by changing the saturation by 10% instead.





 46.2686, 0.4658,  
0.4203


 46.2686, 0.4658,  
0.4203

371.8875, 0.3926,  
0.3822


 32.4578, 0.4817,  
0.4265


 84.6208, 0.4408,  
0.4088


 21.7114, 0.5002,  
0.4325


 109.9311, 0.4308,  
0.4037


 13.6450, 0.5217,  
0.4370


 139.8433, 0.4223,  
0.3992

 7.8742, 0.5534,  
0.4437

 174.7419, 0.4148,  
0.3951

 4.0146, 0.5709,  
0.4291

 215.0112, 0.4082,  
0.3914

 1.6817, 0.5965,  
0.4035

261.0356, 0.4024,

 0.4118, 0.6832,

0.3880

0.3168

313.1996, 0.3973,  
0.3850

0.0000, 0.0000,  
0.0000

46.2686, 0.4658,  
0.4203

46.2686, 0.4658,  
0.4203

42.2011, 0.4902,  
0.4246

50.8087, 0.4400,  
0.4116

38.5752, 0.5118,  
0.4236

55.8356, 0.4144,  
0.3998


35.3589, 0.5297,  
0.4175


61.3711, 0.3899,  
0.3860


35.3032, 0.5300,  
0.4174


67.4330, 0.3673,  
0.3714

74.0382, 0.3468,  
0.3567

 81.2025, 0.3285,  
0.3423

 88.9410, 0.3124,  
0.3288

 96.4951, 0.3048,  
0.3273

 97.6176, 0.3048,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2686, 0.4794, 0.3593



46.2686, 0.4658, 0.4203



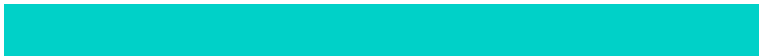
46.2686, 0.4105, 0.4713

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.2686, 0.4658, 0.4203



46.2686, 0.1969, 0.3431



46.2686, 0.2731, 0.2146

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.2686, 0.4658, 0.4203



29.6552, 0.2013, 0.2010

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.2686, 0.2095, 0.2024



46.2686, 0.4658, 0.4203



46.2686, 0.1705, 0.2629

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2686, 0.4658, 0.4203



46.2686, 0.2551, 0.4346



46.2686, 0.1752, 0.2167



46.2686, 0.3584, 0.2490



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2686, 0.4658, 0.4203



46.2686, 0.3603, 0.4867



46.2686, 0.1752, 0.2167



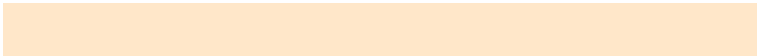
46.2686, 0.2488, 0.2078

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.2709, 0.4658, 0.4203



82.4242, 0.3492, 0.3585



25.9119, 0.4341, 0.2519



17.1926, 0.3547, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2709, 0.4658, 0.4203



45.6629, 0.5002, 0.4248



81.8832, 0.4026, 0.4871



17.1846, 0.3280, 0.3419



19.2418, 0.5277, 0.4192



1.7994, 0.5095, 0.4336



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.6552, 0.2013, 0.2010



25.9838, 0.1846, 0.1707



12.8302, 0.1804, 0.1071



16.4154, 0.2980, 0.3158



9.7336, 0.1732, 0.1434



1.0062, 0.1801, 0.1684



# Previews

## White Background



This preview shows how the Yxy color 46.2686, 0.4658, 0.4203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2686, 0.4658, 0.4203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.2686, 0.4658, 0.4203**

## Background



This preview shows how black text looks on a background with the Yxy color 46.2686, 0.4658, 0.4203.



This preview shows how white text looks on a background with the Yxy color 46.2686, 0.4658, 0.4203.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

46.2686, 0.4658, 0.4203

### Protanopia

46.5625, 0.4123, 0.4522

### Deuteranopia

46.5108, 0.4459, 0.4372



## Tritanopia

46.1892, 0.3931, 0.3163

# Trichromacy



## Original Color

46.2686, 0.4658, 0.4203

## Protanomaly

46.3242, 0.4322, 0.4405

## Deuteranomaly

46.3731, 0.4533, 0.4306

## Tritanomaly

46.0826, 0.4238, 0.3574

# Monochromacy



## Original Color

46.2686, 0.4658, 0.4203

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.1981, 0.3678, 0.3714

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2686, 0.4658, 0.4203 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 165, 73)` looks like.

```
.text, #text, p{  
    color:rgb(242, 165, 73)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 165, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 165, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2686, 0.4658, 0.4203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 165, 73) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(242, 165, 73) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 165, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 165, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 165, 73);  
box-shadow:4px 4px 4px 4px rgb(242, 165,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2686, 0.4658, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 165, 73) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242,  
165, 73) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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